GOVERNMENT OF INDIA
POWER
LOK SABHA

STARRED QUESTION NO:581
ANSWERED ON:06.05.2005
POWER SHORTAGE
Barman Shri Hiten;Gadhavi Shri Pushpdan Shambhudan

Will the Minister of POWER be pleased to state:

(a) whether the government is aware that several States are reeling under huge power shortage;

(b) if so, the details thereof, State-wise;

(c) the quantum of power generated in the country during each of the last three years till date from various sources, source-wise, State-wise, separately;

(d) whether the Government propose to allocate extra power from the central pool to improve this grim situation of power deficit States; and

(e) if so, the details thereof?

Answer

THE MINISTER OF POWER (SHRI P.M. SAYEED)

(a) to (e) : A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 581 TO BE ANSWERED IN THE LOK SABHA ON 06.05.2005 REGARDING POWER SHORTAGE.

(a) : There is an overall power shortage in the country. The shortages vary from State-to-State, region-to-region, season-to-season and hour-to-hour. The average electrical energy shortage in the country during 2004-05 was 7.3%, and the peak shortage was 11.7% .

(b) : State-wise power supply position in the country during 2004-05 is given at Annexure-I.

(c) : The electricity generation from utility power stations in the country and rate of annual growth for the last three years are given below:

Year	Actual Generation (Million Units)	Annual Growth (%)
2002-03	5,31,607	3.1
2003-04	5,58,336	5.0
2004-05	5,87,416	5.2

State-wise and source-wise electricity generation in the country during the last three years i.e. 2002-03, 2003-04 and 2004-05 is given at Annexure-II.

(d) & (e) : The demand of power in a State is met by generation from its own sources, its share from central sector stations, power availed under bi-lateral agreements and from the 15% unallocated capacity of Central generating stations within the region. The allocation of 15% unallocated power is done by the Central Government keeping in view the relative power supply position as well as the emergent/urgent requirements of a State.

ANNEXURE-I

ANNEXURE REFERRED TO IN PART (b) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 581 TO BE ANSWERED IN THE LOK SABHA ON 06.05.2005 REGARDING POWER SHORTAGE.

Actual Power Supply Position Figures in MU net

State	March, 2005				April, 2004 - March, 2005			
System Region	Requirement (MU)	Availability (MU)	Surplus/Deficit(-) (MU)	(%)	Requirement (MU)	Availability (MU)	Surplus/Deficit(-) (MU)	(%)
Chandigarh	83	83	0	0.0	1,157	1,148	-9	-0.8
Delhi	1,513	1,507	-6	-0.4	21,157	20,952	-205	-1.0
Haryana	1,714	1,593	-121	-7.1	21,801	20,562	-1,239	-5.7
Himachal Pr.	335	334	-1	-0.3	4,000	3,917	-83	-2.1
J & K	744	653	-91	-12.2	8,138	7,387	-751	-9.2
Punjab	2,214	2,125	-89	-4.0	33,393	30,383	-3,010	-9.0
Rajasthan	2,643	2,634	-9	-0.3	29,207	28,974	-233	-0.8
Uttar Pradesh	4,327	3,715	-612	-14.1	52,017	41,565	-10,452	-20.1
Uttaranchal	375	374	-1	-0.3	4,628	4,470	-158	-3.4
Northern Region	13,948	13,018	-930	-6.7	175,498	159,358	-16,140	-9.2
Chhattisgarh	1,110	1,088	-22	-2.0	11,747	11,553	-194	-1.7
Gujarat	5,275	4,783	-492	-9.3	59,681	52,724	-6,957	-11.7
Madhya Pradesh	3,231	2,578	-653	-20.2	34,810	30,097	-4,713	-13.5
Maharashtra	8,941	7,508	-1,433	-16.0	92,715	81,541	-11,174	-12.1
Daman & Diu	102	102	0	0.0	1,119	1,119	0	0.0
D.N.Haveli	190	190	0	0.0	1,830	1,830	0	0.0
Goa	203	203	0	0.0	2,146	2,146	0	0.0
Western Region	19,052	16,452	-2,600	-13.6	204,048	181,010	-23,038	-11.3
Andhra Pradesh	4,785	4,721	-64	-1.3	50,416	50,061	-355	-0.7
Karnataka	3,493	3,459	-34	-1.0	35,156	33,687	-1,469	-4.2
Kerala	1,227	1,211	-16	-1.3	12,691	12,540	-151	-1.2
Tamil Nadu	4,775	4,725	-50	-1.0	47,872	47,570	-302	-0.6
Pondicherry	138	138	0	0.0	1,537	1,537	0	0.0
Southern Region	14,418	14,254	-164	-1.1	147,672	145,395	-2,277	-1.5
Bihar	641	526	-115	-17.9	7,201	6,476	-725	-10.1
DVC	779	772	-7	-0.9	9,070	8,988	-82	-0.9
Jharkhand	336	326	-10	-3.0	3,630	3,550	-80	-2.2
Orissa	1,273	1,258	-15	-1.2	13,980	13,875	-105	-0.8
W.B + Sikkim	2,160	2,115	-45	-2.1	23,155	22,789	-366	-1.6
Eastern Region	5,189	4,997	-192	-3.7	57,036	55,678	-1,358	-2.4
Arunachal Pr.	14	14	0	0.0	158	158	0	0.0
Assam	313	293	-20	-6.4	3,787	3,582	-205	-5.4
Manipur	35	34	-1	-2.9	537	523	-14	-2.6
Meghalaya	117	98	-19	-16.2	1,374	1,228	-146	-10.6
Mizoram	20	19	-1	-5.0	236	222	-14	-5.9
Nagaland	29	29	0	0.0	330	324	-6	-1.8
Tripura	57	51	-6	-10.5	700	641	-59	-8.4
North-Eastern Region	585	538	-47	-8.0	7,119	6,674	-445	-6.3
All India	53,192	49,259	-3,933	-7.4	591,373	548,115	-43,258	-7.3

Peak Demand and Peak Met Figures in MW net

State	March, 2005				April, 2004 - March, 2005			
System Region	Peak Demand (MW)	Peak Met (MW)	Surplus /Deficit (-) (MW)	(%)	Peak Demand (MW)	Peak Met (MW)	Surplus /Deficit (-) (MW)	(%)
Chandigarh	156	156	0	0.0	224	224	0	0.0
Delhi	2,875	2,839	-36	-1.3	3,558	3,490	-68	-1.9
Haryana	3,274	3,174	-100	-3.1	4,037	3,621	-416	-10.3
Himachal Pr.	618	618	0	0.0	678	671	-7	-1.0
J & K	1,252	1,102	-150	-12.0	1,316	1,166	-150	-11.4
Punjab	4,717	3,948	-769	-16.3	7,122	5,559	-1,563	-21.9
Rajasthan	4,575	4,375	-200	-4.4	4,786	4,414	-372	-7.8

Uttar Pradesh	7,190	6,124	-1,066	-14.8	7,877	6,268	-1,609	-20.4
Uttaranchal	807	766	-41	-5.1	846	794	-52	-6.1
Northern Region	23,180	21,583	-1,597	-6.9	26,834	24,125	-2,709	-10.1
Chhattisgarh	1,893	1,749	-144	-7.6	1,893	1,749	-144	-7.6
Gujarat	9,170	7,578	-1,592	-17.4	10,162	7,578	-2,584	-25.4
Madhya Pradesh	5,310	4,395	-915	-17.2	5,944	4,846	-1,098	-18.5
Maharashtra	14,986	12,464	-2,522	-16.8	14,986	12,464	-2,522	-16.8
Daman & Diu	168	168	0	0.0	200	200	0	0.0
D.N.Haveli	299	299	0	0.0	391	391	0	0.0
Goa	347	347	0	0.0	356	356	0	0.0
Western Region	30,732	24,128	-6,604	-21.5	31,085	24,128	-6,957	-22.4
Andhra Pradesh	8,093	7,903	-190	-2.3	8,093	7,903	-190	-2.3
Karnataka	5,714	5,612	-102	-1.8	5,927	5,612	-315	-5.3
Kerala	2,451	2,420	-31	-1.3	2,451	2,420	-31	-1.3
Tamil Nadu	7,647	7,555	-92	-1.2	7,647	7,555	-92	-1.2
Pondicherry	240	240	0	0.0	240	240	0	0.0
Southern Region	22,809	22,364	-445	-2.0	23,075	22,364	-711	-3.1
Bihar	975	850	-125	-12.8	980	980	0	0.0
DVC	1,345	1,345	0	0.0	1,400	1,400	0	0.0
Jharkhand	600	580	-20	-3.3	600	590	-10	-1.7
Orissa	2,220	2,220	0	0.0	2,220	2,220	0	0.0
W.B + Sikkim	4,117	3,965	-152	-3.7	4,117	3,965	-152	-3.7
Eastern Region	8,816	8,533	-283	-3.2	8,816	8,533	-283	-3.2
Arunachal Pr.	63	62	-1	-1.6	63	62	-1	-1.6
Assam	653	570	-83	-12.7	659	621	-38	-5.8
Manipur	95	93	-2	-2.1	103	103	0	0.0
Meghalaya	252	168	-84	-33.3	264	207	-57	-21.6
Mizoram	63	62	-1	-1.6	69	67	-2	-2.9
Nagaland	67	66	-1	-1.5	74	71	-3	-4.1
Tripura	160	123	-37	-23.1	188	159	-29	-15.4
North-Eastern Region	1,263	1,044	-219	-17.3	1,272	1,128	-144	-11.3
All India	86,800	77,652	-9,148	-10.5	87,906	77,652	-10,254	-11.7

ANNEXURE-II

ANNEXURE REFERRED TO IN PART (c) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 581 TO BE ANSWERED IN THE LOK SABHA ON 06.05.2005 REGARDING POWER SHORTAGE.

STATE WISE /SOURCE WISE GENERATION IN MILLION UNITS DURING THE YEARS 2002-03,2003-04 & 2004-05.

STATE	SECTOR	2002-03			2003-04			2004-05		
		Th	HY	NUC. TOTAL	Th	HY	NUC. TOTAL	Th	HY	NUC. TOTAL
DELHI	STATE	3496		3496	5161		5161	5708.5		5708.5
	CENTRAL	5284		5284	5432		5432	5463.6		5463.6
	TOTAL	8780		8780	10593		10593	11172.1		11172.1
J.&.K.	STATE	58	323	381	29	891	920	23.74	731.09	754.83
	CENTRAL	5602		5602	6350		6350	5650.41		5650.41
	TOTAL	58	5925	5983	29	7241	7270	23.74	6381.5	6405.24
H.P.	STATE	1317		1317	1360		1360	1273.33		1273.33
	CENTRAL	7085		7085	8939		8939	13284.14		13284.14
	PVT	333		333	1454		1454	1462.82		1462.82
	TOTAL	8735		8735	11753		11753	16020.29		16020.29
HARYANA	STATE	5967	244	6211	6744	256	7000	6877.24	289.55	7166.79
	CENTRAL	2697	0	2697	2792	0	2792	3161.9	0	3161.9

TOTAL 8664 244 8908 9536 256 9792 10039.14 289.55 10328.69

RAJASTHAN STATE 14001 53 14054 15302 643 15945 17473.26 935.5 18408.76
CENTRAL 2760 5047 7807 2777 4323 7100 2785 4577.91 7362.91
TOTAL 16761 53 5047 21861 18079 643 4323 23045 20258. 26935.5 4577.91 25771.67

PUNJAB STATE 13650 3516 17166 14235 4388 18623 14383.83 3354.63 17738.46
CENTRAL 6524 6524 6958 6958 4344.32 4344.32
TOTAL 13650 10040 23690 14235 11346 25581 14383.83 7698.95 22082.78

U.P. STATE 20967 1454 22421 20682 2145 22827 19701.82 1171.27 20873.09
CENTRAL 47821 3595 51416 48467 3041 51508 50301.8 2760.06 53061.86
TOTAL 68788 1454 3595 73837 69149 2145 3041 74335 70003.62 1171.27 2760.06 73934.95

UTTARANCHAL STATE 0 3343 3343 0 3392 3392 3111.13
CENTRAL 427 427 512 512 496.69 496.69
TOTAL 0 3770 3770 0 3904 3904 3607.82 496.69

N.REGION STATE 58139 10250 68389 62153 13075 75228 64168.39 10866.5 0 150262.9
CENTRAL 58562 19638 8642 86842 59468 22759 7364 89591 61712.3 23775.56 7337.97 182416.8
PVT 333 333 1454 1454 0 1462.82 0 2916.82
TOTAL 116701 30221 8642 155564 121621 37288 7364 166273 125880.7 36104.88 7337.97 169323.5
GUJARAT STATE 27145 587 27732 25527 858 26385 28299 1088.92 29387.92
CENTRAL 7580 0 3659 11239 7115 0 3176 10291 6856.6 0 2513.53 9370.13
PVT 9310 0 9310 10608 0 10608 12809.24 0 12820.56
TOTAL 44035 587 3659 48281 43250 858 3176 47284 47964.84 1088.92 2513.53 51567.29
MAHARASTRA STATE 44249 4034 48283 46161 3989 50150 47045.00 4006.38 51051.38
CENTRAL 2544 2544 2497 2497 2587.06 2587.06
PVT 12982 1338 14320 13377 1347 14724 13949.68 1438.04 15387.72
TOTAL 57231 5372 2544 65147 59538 5336 2497 67371 60994.68 5444.42 2587.06 69026.16

M.P. STATE 14546 1857 16403 14015 2712 16727 14359.65 2223.9 16583.55
CENTRAL 16935 0 16935 16377 192 16569 17821.7 1348.76 19170.46
PVT 29.75 29.75
TOTAL 31481 1857 33338 30392 2904 33296 32181.35 3602.41 0 35783.76
CHATTSGARH STATE 7592 247 0 7839 7621 295 0 7916 7925.57 385.73 8311.3
CENTRAL 16466 0 0 16466 16333 0 0 16333 17049 0 17049
PVT
TOTAL 24058 247 0 24305 23954 295 0 24249 24974.57 385.73 0 25360.3
GOA STATE
CENTRAL
PVT 335.97
TOTAL 335.97 0 0 335.97
W. REGION STATE 93532 6725 100257 93324 7854 101178 97629.22 7704.93 0.00 105334.2
CENTRAL 40981 0 6203 47184 39825 192 5673 45690 41727.30 1348.76 5100.59 48176.65
PVT 22292 1338 23630 23985 1347 25332 27094.89 1467.79 0.00 28562.68
TOTAL 156805 8063 6203 171071 157134 9393 5673 172200 166451.41 10521.48 5100.59 182073.5

A.P. STATE 25073 3665 28738 24376 3210 27586 25350 5812.57 31162.57
CENTRAL 21813 0 21813 24054 0 24054 25291.93 0 25291.93
PVT 6162 0 6162 6092 0 6092 6180.26 0 6180.26
TOTAL 53048 3665 56713 54522 3210 57732 56822.19 5812.57 0 62634.76

KARNATAKA STATE 11005 7087 18092 11784 7332 19116 10989.07 8747.47 19736.54
CENTRAL 3317 3317 3123 3123 2926.25 2926.25
PVT 2571 125 2696 2674 127 2801 1424.66 162.61 1587.27
TOTAL 13576 7212 3317 24105 14458 7459 3123 25040 12413.73 8910.08 2926.25 24250.06

KERALA STATE 652 4814 5466 579 3917 4496 296.9 6073.37 6370.27
CENTRAL 2127 0 2127 2118 0 2118 620.5 0 620.5
PVT 453 46 499 1069 40 1109 127.57 70.65 198.22
TOTAL 3232 4860 8092 3766 3957 7723 1044.97 6144.02 0 7188.99

TAMIL NADU STATE 22184 2728 24912 22037 2044 24081 22005.06 4413.11 26418.17
CENTRAL 15005 0 1073 16078 16396 0 1577 17973 16742.84 0 1480.48 18223.32
PVT 4996 0 4996 4616 0 4616 3301.69 0 3301.69
TOTAL 42185 2728 1073 45986 43049 2044 1577 46670 42049.59 4413.11 1480.48 47943.18

PONDICHARY STATE 265 265 277 277 275.69 275.69

LAKSHADWEEP STATE 23.41 23.41

S.REGION STATE 59179 18294 77473 59053 16503 75556 58940.13 25046.52 0 83986.65
CENTRAL 38945 0 4390 43335 42568 0 4700 47268 42655.27 0 4406.73 47062
PVT 14182 171 14353 14451 167 14618 11034.18 233.26 0 11267.44
TOTAL 112306 18465 4390 135161 116072 16670 4700 137442 112629.6 25279.78 4406.73 142316.1

BIHAR STATE 531 59 590 352 52 404 153.78 50.23 204.01
CENTRAL 4995 0 4995 5972 0 5972 6082.1 0 6082.1
TOTAL 5526 59 5585 6324 52 6376 6235.88 50.23 6286.11

JHARKHAND STATE 2600 79 2679 2412 142 2554 2069.8 148.74 2218.54
CENTRAL 4213 155 4368 4019 185 4204 4360.39 147.7 4508.09
PVT 811.43 811.43
TOTAL 6813 234 7047 6431 327 6758 7241.62 296.44 7538.06

ORISSA STATE 2613 3153 5766 3012 5935 8947 3165.45 6864.03 10029.48
CENTRAL 8771 0 8771 13742 0 13742 19444.4 0 19444.4
PVT 1098 0 1098 1139 0 1139 1094.38 0 1094.38
TOTAL 12482 3153 15635 17893 5935 23828 23704.23 6864.03 0 30568.26

WEST BENGAL STATE 15411 510 15921 16036 491 16527 17072.51 508.4 17580.91
CENTRAL 13397 141 13538 15182 118 15300 15926.45 112.82 16039.27
PVT 6343 0 6343 6692 0 6692 7238.48 0 7238.48
TOTAL 35151 651 35802 37910 609 38519 40237.44 621.22 0 40858.66

SIKKIM STATE 0 35 35 0 36 36 0.17 61.04 61.21
CENTRAL 0 355 355 0 345 345 0 369.64 369.64
TOTAL 0 390 390 0 381 381 0.17 430.68 0 430.85
A& N ISLAND STATE 0 0 0 0 41.15 7.29 48.44
PVT 89.87 89.87
TOTAL 131.02 7.29 0 138.31

E.REGION STATE 21155 3836 24991 21812 6656 28468 22502.86 7639.73 0 30142.59
CENTRAL 31376 651 32027 38915 648 39563 45813.34 630.16 0 46443.5
PVT 7441 0 7441 7831 0 7831 9234.16 0 0 9234.16
TOTAL 59972 4487 64459 68558 7304 75862 77550.36 8269.89 0 85820.25

ASSAM STATE 743 0 743 707 0 707 755.39 0 755.39
CENTRAL 1025 847 1872 1591 670 2261 1615.15 913.53 2528.68
PVT 141 0 141 125 0 125 136.33 0 136.33
TOTAL 1909 847 2756 2423 670 3093 2506.87 913.53 0 3420.4

MEGHALAYA STATE 0 573 573 0 525 525 0 615.19 615.19
CENTRAL 0 249 249 0 206 206 0 194.98 194.98
TOTAL 0 822 822 0 731 731 0 810.17 0 810.17

TRIPURA STATE 284 56 340 450 67 517 485.37 68.83 554.2
CENTRAL 561 0 561 566 0 566 571.18 0 571.18
TOTAL 845 56 901 1016 67 1083 1056.55 68.83 0 1125.38
MANIPUR STATE 0 0 0 0 0 0 0 0 0
CENTRAL 0 553 553 0 504 504 0 629.07 629.07
TOTAL 0 553 553 0 504 504 0 629.07 0 629.07
ARU.PRADESH STATE 0 10 10 0 11 11 0 2 2
CENTRAL 0 189 189 0 973 973 0 1641.51 1641.51
TOTAL 0 199 199 0 984 984 0 1643.51 0 1643.51
NAGALAND STATE 0 2 2 0 0 0 0 0 0
CENTRAL 0 119 119 0 164 164 0 254.16 254.16
TOTAL 0 121 121 0 164 164 0 254.16 0 254.16

N.E.REGION STATE 1027 641 1668 1157 603 1760 1240.76 686.02 0 1926.78
CENTRAL 1586 1957 3543 2157 2517 4674 2186.33 3633.25 0 5819.58
PVT 141 0 141 125 0 125 136.33 0 0 136.33
TOTAL 2754 2598 5352 3439 3120 6559 3563.42 4319.27 0 7882.69

STATE SECTOR 2002-03 2003-04 2004-05

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ALL STATE 233032 39746 272778 237499 44691 282190 244481.36 51943.70 0.00 296425.1
INDIA CENTRAL 171450 22246 19235 212931 182933 26116 17737 226786 194094.54 29387.73 16845.29 240327.6
PVT 44056 1842 45898 46392 2968 49360 47499.56 3163.87 0.00 50663.43
TOTAL 448538 63834 19235 531607 466824 73775 17737 558336 486075.46 84495.30 16845.29 587416.1